



IFWP

RAW SEQUENCE LISTING

DATE: 02/03/2006

PATENT APPLICATION: US/10/565,989

TIME: 09:59:24

Input Set : A:\QGN-037.1P US.ST25.txt

Output Set: N:\CRF4\02032006\J565989.raw

3 <110> APPLICANT: Wille, Tanja
 4 Lader, Eric
 5 Korfhage, Christian
 7 <120> TITLE OF INVENTION: Method for the Reverse Transcription and/or Amplification of
 8 Nucleic Acids
 10 <130> FILE REFERENCE: QGN-037.1P US
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/565,989
 13 <141> CURRENT FILING DATE: 2006-01-24
 15 <150> PRIOR APPLICATION NUMBER: US 60/489,643
 16 <151> PRIOR FILING DATE: 2003-07-24
 18 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/008363
 19 <151> PRIOR FILING DATE: 2004-07-26
 21 <160> NUMBER OF SEQ ID NOS: 33
 23 <170> SOFTWARE: PatentIn version 3.3
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 15
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Artificial
 30 <220> FEATURE:
 31 <223> OTHER INFORMATION: DNA oligonucleotides with a 3' phosphate terminal end
 33 <400> SEQUENCE: 1
 34 ctccagctta acggt 15
 37 <210> SEQ ID NO: 2
 38 <211> LENGTH: 15
 39 <212> TYPE: DNA
 40 <213> ORGANISM: Artificial
 42 <220> FEATURE:
 43 <223> OTHER INFORMATION: DNA oligonucleotides with a 3' phosphate terminal end
 45 <400> SEQUENCE: 2
 46 taacggtatt tggag 15
 49 <210> SEQ ID NO: 3
 50 <211> LENGTH: 30
 51 <212> TYPE: DNA
 52 <213> ORGANISM: Artificial
 54 <220> FEATURE:
 55 <223> OTHER INFORMATION: DNA oligonucleotides with a 3' phosphate terminal end
 57 <400> SEQUENCE: 3
 58 taacggtatt tggaggtcag cacggtgctc 30
 61 <210> SEQ ID NO: 4
 62 <211> LENGTH: 15
 63 <212> TYPE: DNA
 64 <213> ORGANISM: Artificial
 66 <220> FEATURE:

RAW SEQUENCE LISTING

DATE: 02/03/2006

PATENT APPLICATION: US/10/565,989

TIME: 09:59:24

Input Set : A:\QGN-037.1P US.ST25.txt

Output Set: N:\CRF4\02032006\J565989.raw

```

67 <223> OTHER INFORMATION: DNA oligonucleotides with a 3' phosphate terminal end
69 <400> SEQUENCE: 4
70 gtagttggac ttagg                                     15
73 <210> SEQ ID NO: 5
74 <211> LENGTH: 15
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial
78 <220> FEATURE:
79 <223> OTHER INFORMATION: DNA oligonucleotides with a 3' phosphate terminal end
81 <400> SEQUENCE: 5
82 atccagatgc tcaag                                     15
85 <210> SEQ ID NO: 6
86 <211> LENGTH: 30
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial
90 <220> FEATURE:
91 <223> OTHER INFORMATION: DNA oligonucleotides with a 3' phosphate terminal end
93 <400> SEQUENCE: 6
94 gtagttggac ttagggaaca aaggaacctt                     30
97 <210> SEQ ID NO: 7
98 <211> LENGTH: 15
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial
102 <220> FEATURE:
103 <223> OTHER INFORMATION: PNA with a 5' amino terminal end and a 3' carboxy terminal
end
105 <400> SEQUENCE: 7
106 ctccagctta acggt                                     15
109 <210> SEQ ID NO: 8
110 <211> LENGTH: 15
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial
114 <220> FEATURE:
115 <223> OTHER INFORMATION: PNA with a 5' amino terminal end and a 3' carboxy terminal
end
117 <400> SEQUENCE: 8
118 taacggtatt tggag                                     15
121 <210> SEQ ID NO: 9
122 <211> LENGTH: 14
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial
126 <220> FEATURE:
127 <223> OTHER INFORMATION: PNA with a 5' amino terminal end and a 3' carboxy terminal
end
129 <400> SEQUENCE: 9
130 gtcaccagca ggca                                     14
133 <210> SEQ ID NO: 10
134 <211> LENGTH: 12
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial
138 <220> FEATURE:
139 <223> OTHER INFORMATION: PNA with a 5' amino terminal end and a 3' carboxy terminal
end

```

RAW SEQUENCE LISTING

DATE: 02/03/2006

PATENT APPLICATION: US/10/565,989

TIME: 09:59:24

Input Set : A:\QGN-037.1P US.ST25.txt

Output Set: N:\CRF4\02032006\J565989.raw

```

141 <400> SEQUENCE: 10
142 gtgaactcgg cg                                     12
145 <210> SEQ ID NO: 11
146 <211> LENGTH: 15
147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial
150 <220> FEATURE:
151 <223> OTHER INFORMATION: PNA with a 5' amino terminal end and a 3' carboxy terminal
end
153 <400> SEQUENCE: 11
154 tggcaattcg acctc                                     15
157 <210> SEQ ID NO: 12
158 <211> LENGTH: 15
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial
162 <220> FEATURE:
163 <223> OTHER INFORMATION: PNA with a 5' amino terminal end and a 3' carboxy terminal
end
165 <400> SEQUENCE: 12
166 gaggtttatg gcaat                                     15
169 <210> SEQ ID NO: 13
170 <211> LENGTH: 14
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial
174 <220> FEATURE:
175 <223> OTHER INFORMATION: PNA with a 5' amino terminal end and a 3' carboxy terminal
end
177 <400> SEQUENCE: 13
178 acggacgacc actg                                     14
181 <210> SEQ ID NO: 14
182 <211> LENGTH: 12
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial
186 <220> FEATURE:
187 <223> OTHER INFORMATION: PNA with a 5' amino terminal end and a 3' carboxy terminal
end
189 <400> SEQUENCE: 14
190 gcggctcaag tg                                       12
193 <210> SEQ ID NO: 15
194 <211> LENGTH: 15
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial
198 <220> FEATURE:
199 <223> OTHER INFORMATION: PNA with a 5' amino terminal end and a 3' carboxy terminal
end
201 <400> SEQUENCE: 15
202 gtagttggac ttagg                                     15
205 <210> SEQ ID NO: 16
206 <211> LENGTH: 15
207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial
210 <220> FEATURE:
211 <223> OTHER INFORMATION: PNA with a 5' amino terminal end and a 3' carboxy terminal

```

end

213 <400> SEQUENCE: 16

RAW SEQUENCE LISTING

DATE: 02/03/2006

PATENT APPLICATION: US/10/565,989

TIME: 09:59:24

Input Set : A:\QGN-037.1P US.ST25.txt

Output Set: N:\CRF4\02032006\J565989.raw

```

214 atccagatgc tcaag 15
217 <210> SEQ ID NO: 17
218 <211> LENGTH: 15
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial
222 <220> FEATURE:
223 <223> OTHER INFORMATION: PNA with a 5' amino terminal end and a 3' carboxy terminal
end
225 <400> SEQUENCE: 17
226 ccccagttta gtagt 15
229 <210> SEQ ID NO: 18
230 <211> LENGTH: 15
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial
234 <220> FEATURE:
235 <223> OTHER INFORMATION: PNA with a 5' amino terminal end and a 3' carboxy terminal
end
237 <400> SEQUENCE: 18
238 cagtttagta gttgg 15
241 <210> SEQ ID NO: 19
242 <211> LENGTH: 15
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial
246 <220> FEATURE:
247 <223> OTHER INFORMATION: PNA with a 5' amino terminal end and a 3' carboxy terminal
end
249 <400> SEQUENCE: 19
250 gcccttcata atatc 15
253 <210> SEQ ID NO: 20
254 <211> LENGTH: 15
255 <212> TYPE: DNA
256 <213> ORGANISM: Artificial
258 <220> FEATURE:
259 <223> OTHER INFORMATION: PNA with a 5' amino terminal end and a 3' carboxy terminal
end
261 <400> SEQUENCE: 20
262 ggattcaggt tgatg 15
265 <210> SEQ ID NO: 21
266 <211> LENGTH: 15
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial
270 <220> FEATURE:
271 <223> OTHER INFORMATION: PNA with a 5' amino terminal end and a 3' carboxy terminal
end
273 <400> SEQUENCE: 21
274 gaactcgatg accta 15
277 <210> SEQ ID NO: 22
278 <211> LENGTH: 15
279 <212> TYPE: DNA
280 <213> ORGANISM: Artificial
282 <220> FEATURE:
283 <223> OTHER INFORMATION: PNA with a 5' amino terminal end and a 3' carboxy terminal
end

```

285 <400> SEQUENCE: 22
286 tgatgatttg acccc

15

RAW SEQUENCE LISTING

DATE: 02/03/2006

PATENT APPLICATION: US/10/565,989

TIME: 09:59:24

Input Set : A:\QGN-037.1P US.ST25.txt

Output Set : N:\CRF4\02032006\J565989.raw

```

289 <210> SEQ ID NO: 23
290 <211> LENGTH: 15
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial
294 <220> FEATURE:
295 <223> OTHER INFORMATION: PNA with a 5' amino terminal end and a 3' carboxy terminal
end
297 <400> SEQUENCE: 23
298 gggttgatgat ttgac 15
301 <210> SEQ ID NO: 24
302 <211> LENGTH: 15
303 <212> TYPE: DNA
304 <213> ORGANISM: Artificial
306 <220> FEATURE:
307 <223> OTHER INFORMATION: PNA with a 5' amino terminal end and a 3' carboxy terminal
end
309 <400> SEQUENCE: 24
310 ctataataact tcccg 15
313 <210> SEQ ID NO: 25
314 <211> LENGTH: 15
315 <212> TYPE: DNA
316 <213> ORGANISM: Artificial
318 <220> FEATURE:
319 <223> OTHER INFORMATION: LNA with an octandiol group at the 3' end
321 <400> SEQUENCE: 25
322 ctccagctta acggt 15
325 <210> SEQ ID NO: 26
326 <211> LENGTH: 15
327 <212> TYPE: DNA
328 <213> ORGANISM: Artificial
330 <220> FEATURE:
331 <223> OTHER INFORMATION: LNA with an octandiol group at the 3' end
333 <400> SEQUENCE: 26
334 taacggtatt tggag 15
337 <210> SEQ ID NO: 27
338 <211> LENGTH: 14
339 <212> TYPE: DNA
340 <213> ORGANISM: Artificial
342 <220> FEATURE:
343 <223> OTHER INFORMATION: LNA with an octandiol group at the 3' end
345 <400> SEQUENCE: 27
346 gtcaccagca ggca 14
349 <210> SEQ ID NO: 28
350 <211> LENGTH: 12
351 <212> TYPE: DNA
352 <213> ORGANISM: Artificial
354 <220> FEATURE:
355 <223> OTHER INFORMATION: LNA with an octandiol group at the 3' end
357 <400> SEQUENCE: 28
358 gtgaactcgg cg 12
361 <210> SEQ ID NO: 29

```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/03/2006
PATENT APPLICATION: US/10/565,989 TIME: 09:59:25

Input Set : A:\QGN-037.1P US.ST25.txt
Output Set: N:\CRF4\02032006\J565989.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27

Seq#:28,29,30,31,32,33

VERIFICATION SUMMARY

DATE: 02/03/2006

PATENT APPLICATION: US/10/565,989

TIME: 09:59:25

Input Set : A:\QGN-037.1P US.ST25.txt

Output Set: N:\CRF4\02032006\J565989.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number